

I CLAIM:

1. A method of transforming a lawn into a stable, healthy plant community that can be maintained as a stable, healthy plant community without use of synthetic,
5 non-organic, non-natural pesticides, herbicides, or fertilizers, comprising the steps of:
 - (a) during a first entire growing season,
 - (i) implementing a fertilization program utilizing organic-based fertilizers consisting of at least six applications of the organic-based fertilizer to the lawn;
 - 10 (ii) implementing a weed control program utilizing optimal herbicides to suppress any weed communities within the lawn;
 - (iii) implementing a lawn surface-insect pest control program utilizing optimal insecticides to suppress any lawn surface-insect pests within the lawn;
 - 15 (b) then, during a second entire growing season, following the first entire growing season;
 - (i) continuing the fertilization program utilizing organic-based fertilizers consisting of at least six applications of the organic-based fertilizer to the lawn;
 - 20 (ii) continuing the weed control program utilizing optimal herbicides to suppress any weed communities within the lawn;
 - (iii) continuing the lawn surface-insect pest control program utilizing optimal insecticides to suppress any lawn insect pests within the lawn;
 - 25 (iv) implementing a program of biological and natural controls of any lawn pests and weeds;
 - (v) implementing a program of organic pre-emergent crab grass control; and,
 - (c) then, during the third entire growing season, after the first and
30 second entire growing seasons;

(i) implementing a fertilization program utilizing organic fertilizers consisting of at least six applications of the organic fertilizer to the lawn;

5 (ii) implementing a weed control program utilizing organic herbicides, including continuing the program of organic pre-emergent crab grass control; and,

(iii) implementing a lawn surface-insect pest control program utilizing organic insecticides.

10 2. The method of transforming a lawn of claim 1, comprising the further steps of, during the first entire growing season: performing a detailed soil analysis to measure soil parameters of the soil pH, buffer pH, organic matter content, thatch layer composition, nutrient load, cation exchange capacity and amending the soil to optimize those soil parameters for optimal turfgrass growth; slice seeding the lawn to integrate
15 into the lawn turfgrass community turfgrass seeds that are optimal for the lawn; and, core aerating a root zone of the lawn by removing root zone cores and over-seeding with optimal turfgrass seeds.

20 3. The method of transforming a lawn of claim 2, comprising the further steps of, during the second entire growing season: performing a detailed soil analysis to measure soil parameters of the soil pH, buffer pH, organic matter content, thatch layer composition, nutrient load, cation exchange capacity and amending the soil to optimize those soil parameters for optimal turfgrass growth; slice seeding the lawn to integrate into the lawn turfgrass community turfgrass seeds that are optimal for the lawn; and,
25 core aerating a root zone of the lawn by removing root zone cores and over-seeding with optimal turfgrass seeds.

30 4. The method of transforming a lawn of claim 3, comprising the further steps of, during the third entire growing season: performing a detailed soil analysis to measure soil parameters of the soil pH, buffer pH, organic matter content, thatch layer composition, nutrient load, cation exchange capacity and amending the soil to optimize

those soil parameters for optimal turfgrass growth; slice seeding the lawn to integrate into the lawn turfgrass community turfgrass seeds that are optimal for the lawn; and, core aerating a root zone of the lawn by removing root zone cores and over-seeding with optimal turfgrass seeds.

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5. The method of transforming a lawn of claim 1, comprising the further steps of, during the third entire growing season: implementing a program of biological control of root zone, grub insect pests; and, continuing the program of biological and natural controls.

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